

AMENDMENT

Sir:

In response to the office action of November 8, 2002, please amend the above-identified application as follows:

In the claims:

Please amend claims 5, 10, 13 and 16-17 as follows:

112
Sub 3-7
Q1

5. (Amended) A circuit for providing a semiconductor laser drive current, comprising:

- (a) a power supply input voltage upto about three volts;
- (b) a differential switch for selecting an amount of current from at least two amounts of current depending upon the voltage of each of at least two inputs; said differential switch being formed from a pair of transistors; and
- (c) at least two current sources, said at least two current sources being capable of producing said at least two amounts of current by at least one of independent and combined operation, wherein a headroom voltage for said at least two current sources is obtained by the amount of voltage provided by said input voltage less a voltage drop across a device being driven by said selected current and a voltage drop across said pair of transistors during operation of said circuit.

Q2

10. (Amended) The circuit as claimed in claim 8, wherein said amount of current substantially equal to a second amount of current less a first amount of current is delivered to said device when said second input is a higher voltage than said first input.

Q3

13. (Amended) The circuit as claimed in claim 8, wherein said second input is connected to a base of said second transistor.